

Appl. No. : 10/714,097
Filed : November 14, 2003

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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-17. (Cancelled)

18. (Currently Amended) A method, comprising:

using a portable communication device with a camera and a display unit therein, to obtain an image of a bar code;

receiving and displaying, on said display unit of said portable communication device, information obtained from a remote server, which information indicates information based on a meaning that was represented by the barcode, said meaning being additional information beyond that which was present in the barcode;

using said portable communication device to make a telephone call;

using a processor within said portable communication device to determine sizes of black bars and white spaces within the image of the barcode, to obtain numerical information indicative of the spacing within the barcode without ~~decoding~~ obtaining said meaning of the content of the barcode represented by said numerical information; and

using said portable communication device for sending said numerical information indicative of the bar code to ~~a said remote server without decoding~~ obtaining the meaning of the content of the barcode in said portable communication device; and

Appl. No. : 10/714,097
Filed : November 14, 2003

~~receiving and displaying, on said display of said portable communication device,
information obtained from said remote server, which information indicates information that
was represented by the barcode.~~

19. (Currently Amended) A method, comprising:

using a portable communication device with a camera and a display unit therein, to
obtain an image of a bar code;

~~receiving and displaying, on said display unit of said portable communication device,
information obtained from a remote server, which information indicates information based
on a meaning that was represented by the barcode, said meaning being additional
information beyond that which was present in the barcode;~~

using a processor in said portable communication device to determine edge spaces
defining edges of the barcode within the image, by finding spaces within the image that are
larger than an allowable space between elements of the barcode, and which spaces define
edges of the barcode;

using the processor to determine sizes of black bars and white spaces defining
barcode portions within the image between the edge spaces, and to form numerical
information indicative of said sizes ~~without decoding~~ obtaining said meaning of the content
of the barcode portions represented by said numerical information in the processor;

using said portable communication device to make a telephone call;

using said portable communication device for sending information indicative of the
numerical information indicative of said bar code to a remote server ~~without decoding~~

Appl. No. : 10/714,097
Filed : November 14, 2003

obtaining said meaning of the content of the barcode portions in said portable
communication device ; and

at a different time than said telephone call or said sending information indicative of
said bar code, using said camera to obtain a video

~~;~~ and

~~receiving and displaying, on the display unit of said portable device, information~~
~~based on said numerical information indicative of said barcode, which information is~~
~~received from said remote server.~~

Claims 20-27 (Cancelled)

28. (Previously Presented) A method as in claim 18, wherein said bar code
is a dual type bar code, with a first a part that is interpreted by a first bar code scanning
process to obtain first information and a second part which is interpreted by a second bar
code scanning process to obtain second information that has more information than first
information.

29. (Previously Presented) A method as in claim 28, wherein said first part is
a linear bar code and said second part is a non-linear bar code.

30. (Previously Presented) A method as in claim 28, wherein said first
process is a scan in a first direction and said second process is a scan in a second
direction.

Appl. No. : 10/714,097
Filed : November 14, 2003

31. (Previously Presented) A method as in claim 28, wherein said second part is one of grayscale or color of the bar code.

Claims 32-47 (Cancelled)

48. (Currently Amended) A method, comprising:
using a portable telephone which includes a camera therein, at a first time to make a telephone call;
using the camera in the telephone at a second time to take a video; and
using the camera in the telephone at a third time to obtain an image of a barcode, to obtain information indicative of the barcode by using a processor in said portable communication device to determine spaces within the image that are larger than an allowable space between elements that define the barcode, using detection of said space to define edges of the barcode; using the processor to determine numerical information indicative of sizes of bar portions within the image between the spaces, said information obtained from said barcode representing a pointer to a database, and without decoding the content of the barcode represented by said barcode, and displaying information on the display of the portable telephone that is indicative of the content from the database as obtained from said information in the barcode without decoding said barcode in said portable telephone and responsive to determining said numerical information without decoding the content of the barcode.

Appl. No. : 10/714,097
Filed : November 14, 2003

49. (Previously presented) A method as in claim 18, wherein said barcode is part of an advertisement, and said information obtained from said remote server represents more information about the advertisement.

50. (Previously presented) A method as in claim 19, wherein said wherein said using comprises using the portable communication device to scan an advertisement, and wherein said information based on said numerical information indicative of the barcode that is received from the remote server represents more information about the advertisement.

51. (Previously presented) A method as in claim 48, wherein said using the camera at a third time comprises obtaining an image of a barcode from an advertisement, and wherein said information on the display of the portable telephone is indicative of more information about the advertisement.

52. (Withdrawn) A method as in claim 18, wherein said barcode is associated with an event, and said information obtained from said remote server represents more information about the event.

53. (Withdrawn) A method as in claim 19, wherein said wherein said using comprises using the portable communication device to scan information indicative of an event, and wherein said information based on said numerical information indicative of the barcode that is received from the remote server represents more information about the event.

Appl. No. : 10/714,097
Filed : November 14, 2003

54. (Withdrawn) A method as in claim 48, wherein said using the camera at a third time comprises obtaining an image, and wherein said information on the display of the portable telephone is indicative of information about an event.

55. (New) A method, comprising:

first using a portable device to obtain information indicative of only a portion of total bar code information from an item that has multiple different items of barcode information encoded thereon;

using a processor in said portable communication device to determine information from said bar code, wherein said information includes only a portion of said total bar code information;

using said portable communication device for sending information indicative of said only a portion of said bar code to a remote server ;

receiving and displaying, on the display unit of said portable device, information that is based on said barcode being used to look up information in said remote server, said information which is displayed being information received from said remote server.

56. (New) A method as in claim 55, further comprising at another time, other than the time of said first using, using another device to obtain information from another part of the bar code.

Appl. No. : 10/714,097
Filed : November 14, 2003

57. (New) A method as in claim 55, wherein said portable device is a monochrome bar code scanner.

58. (New) A method as in claim 18, wherein said content of the barcode is a pointer to a remote database, and said content is decoded to determine information indicative of said pointer, and said meaning is received from said remote database based on said pointer.

59. (new) A method as in claim 19, wherein said content of the barcode is a pointer to a remote database, and said content is decoded to determine information indicative of said pointer, and said meaning is received from said remote database based on said pointer.